# New "Thunderjet" 100% Equipped with Goodyear Wheels and Brakes



32 rockets of 5" size and twa 450 gal, fuel tanks can be carried in addition to fixed armament. Turst operational swept-wing fighterbomber of the Air Force, the new Republic F-84F "Thundrejet" will start rolling off assembly lines this year— 100% equipped with specially designed wheels and brakes by Goodyear.

Design specifications for this high-

Design specilications for this nighspeed, long-range jet included extremely rigorous landing gear requirements high brake energy, restricted space, new tire and tube size, and above all, urgent speed in design and production of this special landing equipment. Drawing on its 40 years' experience and 40 years of outstanding accomplishment in aviation, Goodyear met the design and delivery specifications with marked success. After extended Air Force tests, Goodyear landing equipment alone was able to qualify. Result: Republic's assembly-line pro-

duction of the F-84-F will be exclusively equipped with Goodyear wheels and brakes. And most important, one more key unit in America's climb to aerial supremacy will be ready on schedule.





ZENITH parts in

Lockheed

"Battleships of the Air" Zenith resultered plants parts have contrib. We are proved to have compensed with Lockhool maneuvezability of the outstanding products of and other vital rendered plastic parts in the

high Lankberd and others of America's leaders. 154F, F90, F91, and 733, and the Navy

ZENITH PLASTICS CO. 7 gardena, calif.

BIG FACTOR in every Factory...



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SEATS and RERTHS! NEWST TWA LUXURY PLEET

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## Aviation Week

September 15, 1952 Reports From Britain Deltain Bule for Jr. Plane Benjama 10

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New Diges ---

Production Need Davigs to Hf Transport. 

Editorial 

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#### NEWS DIGEST

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### AVIATION CALENDAR

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AMAZION WEEK SUSSIANO IS, 1957

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# Abresdy Dadin Corneration

#### Washington Roundup

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#### **Budget Cutters**

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Balanced Forces?

## Remington Rand Methods News

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WHO'S WHERE

In the Front Office

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▶ Scottáli Aviatica ni Protovick is developing a Hippanetter two-engage sensor of its Picesco, short feld transport. The twin Picesco well be

#### INDUSTRY OBSERVER

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\* Briefell will get alreast competition from Rolls Rever and Americans. P Boulton Paul expects to be flying ats second F.128 delta wing research tolast in a few works. The first P.126 couled and before the SBAC.

show, shedding one elevator after first-degree States on the borizontal tuiches. Tot offer Ben Come builed out at 3,000 ft, suffered minor source when he booked in a tree part shoul of his spectros and. Eletter eccurred at arbitrarie has used and altitude. denotes with Electrons and Consent or neather merable consender BEA expects the enmantition to develop a helicopter that will be a radical depetrant from competition to develop it indepete that was be a maken department from comment material and a manual technical advance, samilar

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The British also are concurred with the alumine trend toward become, recoond a 1,000 ft. threat us careen that would work only 150 ft. \*There is a bend towed bender consucut on Belois Sphere and bombon. The Hawker Heater and Supermeries's Switt and Type \$65

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## AVIATION WEEK SPTEMBE 15, 1922





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## 800 Military Planes a Month

USAF. Navv answer critics by showing production has more than quadrupled since start of Korean war. Top defense officials have disclosed that U.S. military production has now

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Security of Defense

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Standards Problems Trouble Designers

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## A FRON A UTICAL ENGINEERING

DRI 115's SWEET WING shows reportable affectly to that of traffice, wooden . .

## DH 110: Study of a Fighter's Evolution

- Basic design of new jet stems from Vampires. · Latest in famed family
- boasts twin engines.

The DH 110, two boom subs agher which is being demonstrated nd of models and vocatels H I (supervised by the DH consultant designer Macor F. R. Halford), wellshortly before the first flight of the Gleater-Whatle E28/99 as May 15 known to the Gobbo, was rupning well

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## More "16-25-6" used in jet engine rotor wheels than all other alloys combined



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AVIATION WEEK, September 15, 1952

# Letter-perfect jobs at **United** with,



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AMATION WEEK Suspensor 15, 1955





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## New G-E Components Are Lighter, Last Longer



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> LOCKHEED ARREST CORPORATION RAPPERS ANALYSIS AND RANGES ACCORDING

#### Lockheed SAPER CONSTRUCTION MARK MUNICA LEG TIGHTERS

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#### PRODUCTION





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## XB-36 NOW USES TRACK-TYPE LANDING GEAR

...vital parts made from Nickel Alloy Steel save weight



estimate by some 2000 pounds...due to good dosegn and wide use of "HY-Tuf," a percented regist alloy steel.

The typical correspondence of THY-Tuff to Nobel ...... 180%

It can be heat treated to at least 200,000 p.s.: tende strength with an Irod support strength of more than 20 0. Ilm This arrives combination of streagth and toughness permits reduction in size and corresponding syrdefense and defense apporting radiatives. SCEAP that is accounty proceeded may have into your

ings in weight of parts so witel to success of track type In fact, rethel-continuous allego provide essential stangion for reducing excess weight in components of

At present, most of the nickel produced is being directed to defense Through application to the appro-

THE INTERNATIONAL NICKEL COMPANY, INC. OF WALL STREET



# Jet Development

**Pratt & Whitney Continues to Expand** Its Development and Test Facilities

DRATTA WHITNEY AIRCRAFT in taking a souther also forward to meet its heavy responsibility of peaviding the nation's arraed forces with the best possihis aircreft engines in the shortest time mostible. To been up with our expending role in let excite development and production, we are undertaking a privately financed programs, coatler versey reillions.

As it stands today, the Andrew Willegos Turbine expansion will creatly enlarge its canabilities. For exception at this time one of the Willream Laboraaltitude testing. When this progreen is completed. three additional cells of even more advanced design will be available for testing turbing engines areles conditions already intra supersonic associa and altiwhich were formerly used to test vision environviding additional facilities for testing both compo-

This constant accompany of test facilities is only one phase of our effort to make sure that America will have the finest surgest entires built, Just as

work. But the results will easible us to do a good job

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AURCRAFT FAIL TANKS - SEATS - LANSING PLAPS AUDITORS - THE RUBINGS - BOMS BAY 90055





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Building for today Designing for tomorrow



ARROPHODUCTS DIVISION . GRNBIAL MOTORS CORPORATION . DAYTON, ONIO



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## **Bonded Stock O-Rings!**

Arcreft Hydroulic O-rings to comely with Pitting Gooket O-rings to comply with WE-G-5510

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Fuel-Recotant O-class to comply with ... are now probable from PARKER at someo-imperied. BONDED STOCK . . packed in topo-coaled, plently lebeled persons . . . channeling conflication paper work

count on the operior quality of PARKER Occase . . . Ark your PARKER Owner Decrement for Catalog 5200. or work The PARKER Applicace Compeny, 1785 Euclid



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THERMOCOUPLES



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AVAILABLE WHEE Somehow IS 1902

# MICRO Precision Switches perform 3 important functions in Piasecki Helicopter Corporation's new HUP

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to revised of the confidence closed in MECRO to the screening desire. They know MC80 per consequent ches

A complete line of MICRO solution sourches in deaggred to conform to rigid "AN", "MIL", and "IAN" and of MICRO's wide responsively in design of alreads







#### Three of the MICRO precision switches which Plasecki engineers selected for use in the HUP

Shows at the right are three MICEO units which Pienerki HUF behrouser. 1. SDCDO DB-RHZ is a double-scie, double-shoot

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MICRO Soop Action Switches ... Honeywell Mercury Switches

MINNEAPOLIS-HONEYWELL REGULATOR COMPAN







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ANATION WIEK, September 18, 1951



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Collins Radio his surrounced a new Transporter Heisbilder-Collins late. SMO, new under dozen, will fit gets # 101 notty yours throughout formarage rates and so to 15,800 ft · Quarte crystal (CR 180) ferrenev Platecolog Federo-As wente for

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LEAR-ROMEC purios ore selected for their atteteney and secretalty in labricative and fuel protects of current and redustrial turbine encomes and recommending engines. Where production model pumps are not suitable. Less-Romes depons and manufactures the proper pump to customers' specifications.

Complete distalls on SLASS-ROPEC avenue sesdable from . . .



### British Low-Cost Approach Radar

FResenbles Half a PAR-The present Precision Resistors P Oncuta's Comole-Ove, two, or tion suderston (PPIs) can be encueted The color reteres, a 12x3 ft per-

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FRCA May Develop New Ration-A

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AYUKTION WEEK September 15, 1952

**G-E SILICONE RUBBER PAYS OFF** 



The assume ability of General Electric olicons righter to withstead extenses of Typical indigernal applications for G-E silience rather include spark plan

material for the doors and windows of high-alterate accords.

Where can you use G-E silicene rubber? Have you prostrated G-E singue rabber lawly by sleep at strong and



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G.E SILICONES FIT IN YOUR FUTURE

## WHERE HIGH PRODUCTION, RIGID CONTROL COUNT MOST



## DESPATCH

#### Quick Owners ALUMINUM HEAT TREATING FURNACE Ellis the Money Book

production schedules and rivid Government Operating curgs of the ference is from 212" 1960 th seed rack, buth as room temperature to 920' E to 26 minutes when furnise it leaded

FIFTIFTH ANNIVERSARY

DESDATCH

BE DREBADED FOR GREATER DEFENSE PRODUCTION

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Earnage is heated with 425 KW capacity

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- Transocean: 'Anything, Anywhere' Airline
- Many faceted firm findits diversity pays off.
  - · Not satisfied it seeks more new ventures.

Oddest Coll-Turnical As awtomobile distributionly a lasers concerns, and man office (Assessed Management Co. (Acres), Oakland

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HEADQUARTERS

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ANATION WEEK, Surveyor 15, 1987



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From these five leading types of ar freight shument, can you pick the top concept closefundies? () Electronic Paris () Mochine Paris () Plower () Gaments () Bolominis

### 10000000

In order of tennage, the actual making in: (1) Garment's (2) Machine Parts (0) Electronic Parts (4) Flowers

### Question: Which Aventon Food in the U.S. A. today

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- EVOCOSCUPED EVICUAL TEST INSTRUMENTATION ENGINEERS . FURTH TEST ENGINEERS . FURNIT TEST ANALYSTS

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AVIATION WEEK Supporter 15, 1967

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MORTH AMERICAN AVIATION, INC. Exps. 16. Expinuating Paramont Office



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SNAP-ON TOOLS

CORPORATION

SCOLUMBS Arrange, Everalte, William



Vic Larges has packed a lot of living unto half a custom have molded this knowly white-based man As head of Whiteker's Hydraulic Desica Group, Vic is shoothed with the challenging mechanical problems of con-

trolling immense fluid pressures in tight purkages. When Field Engenering services Engineering, Stehardson Seele, Politics precific curtomer somerments for a

How could a man webout formal adaption achieve such a record? electrica actions such a record?

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Altmory 4-5050 Kennes Ody Others 1811 Armen Ave. Tennes City L Mo.

Power for the most can be either number comes or during rector, and

#### Easy-to-Erect Work Docks

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For reasoning occupy and continents - where perof the Hadront Refueling System and today -- even formance counts the most-saternational sickness cale on E590 Assuring Products Auding operators length there can depend on the both residing of these Uniformity of for I and Jabricant, standardization to modern air corners. Asturpating these witel people EXECUTIVE transfer to the contract of the contract to the contract of t

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Push Rod Packer A transver in netaling perkings for push soft in the Post & Whitney

Ordineste with rade have to be un ANATION WEEK, September 15, 1952



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Propeller Seals

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A Lee motional used on the seals as lighter staffer mobiles, a development of B.F. Goodsch. Co. The parts are uncorporated in an of control assembly as front and sur-AVARIDE WEEK, Suphosher 15, 1952 "Tight makes right...

when you stop leaks you eliminate operating losses!

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Line Filters & Streleners
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fuel at all times. Peeco fuel pumps have been and more plane manufacturers and operators see using Peace products for controlled flow of





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STANDARD OIL COMPANY (INDIANA)

#### ALR TRANSPORT

## Nonskeds Ask CAB Staff to Show Hand

The currence nor of

- · Irregulars, their future in balance, seek clue to stand of Operations Bureau counsel at Washington bearing. Promote acreed at presentable
- · Early signs indicate official line will back scheduled earriers in claim they can bundle airroach business. By F. Lee Moore

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